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## NOTES AND ERRATA: VOLUMES 6, 7

### VOLUME 6

E. V. HUNTINGTON: *Note on the definitions* . . . .

P. 188.           The proof of the commutative law for addition (theorem A7), here attributed to HILBERT, 1900, was given by H. HANKEL in 1867 (*Theorie der complexen Zahlensysteme*, p. 32).

H. MASCHKE: *Differential parameters of the first order*.

P. 69, § 1.       The theorems on determinants developed here for the purpose of immediate application in this paper and in the paper "The Kronecker-Gaussian curvature of hyperspace" are not essentially new. I am indebted to Prof. W. H. METZLER for the following information:

P. 70, formula (1).   The law which MUIR has called the law of extensible minors was known as early as 1867, for it was used by REIES in his "Beiträge zur Theorie der Determinanten" which was published in that year. MUIR proved it in 1881 (Transactions of the Royal Society, Edinburgh, vol. 30, part 1) and has since considered its applications (Proceedings Edinburgh Math. Soc., vol. 20, 1901-1902). Formula (1) is the result of applying this law to a theorem given by SYLVESTER (Phil. Mag., ser. 4, vol. 1) in 1851.

P. 71, formula (3).   This theorem is the extensional (the result of applying the law of extensible minors) of a theorem given by PICQUET in 1878 (Journal de l'École Polyt., cah. 45, t. 28).